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BIOL 401.01: General Parasitology Laboratory

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Parasitology 401

LAB SCHEDULE

Date

Topic

SEP. 4 No Lab

6 General information; check-in, use of microscopes; survey of parasites (projection slides).

11 LAB 1 - Symbiosis: mutualism - termite flagellates, endocommensalism - *Opalina* in frogs, endoparasitism - *Tritrichomonas* in mice.

13 LAB 2 - Phylum Apicomplexa: gregarines, *Eimeria*, *Toxoplasma*

18 LAB 3 and 4 - Phylum Apicomplexa (continued): malaria.

20 LAB 3 and 4 - Phylum Apicomplexa (continued): malaria, *Babesia*.

25 LAB 5 - Phylum Zoomastigina, hemoflagellates: *Trypanosoma* including living insect stages, *Leishmania*.

27 LAB 6 - Phylum Zoomastigina, intestinal flagellates: *Giardia*, *Trichomonas*, *Chilomastix*.

OCT. 2 LAB 7 - Phylum Sarcodina: *Entamoeba* and related genera; Phylum Ciliophora: *Balantidium*; Phylum Myxozoa: *Myxosoma*.

4 Catch-up and review.

9 Laboratory exam I: Protozoa

11 LAB 8 - Phylum Platyhelminthes, trematodes: monogenetic trematodes and *Aspidogaster*, digenetic trematode larval stages - miracidia, sporocysts and rediae.

16 LAB 9 and 10 - Phylum Platyhelminthes, trematodes (continued): digenetic trematode larval stages - living cercariae, cercarial types, metacercariae; adult digenetic trematodes - *Schistosoma*.

18 LAB 9 and 10 - Phylum Platyhelminthes, trematodes (continued): digenetic trematode larval stages - living cercariae, cercarial types, metacercariae; adult digenetic trematodes - *Schistosoma*.

23 LAB 11 - Phylum Platyhelminthes, trematodes (continued): adult digenetic trematodes (continued) - *Echinostoma*, *Fasciola*, *Opisthorchis*, *Heterophyes*.

25 LAB 11 and 12 - Phylum Platyhelminthes, cestodes: pseudophyllidean tapeworms.

30 LAB 13 - Phylum Platyhelminthes, cestodes (continued): cyclophyllidean tapeworms.

NOV. 1 LAB 13 and 14 - Phylum Platyhelminthes, cestodes (continued): cyclophyllidean tapeworms.

NOV 6 LAB 13 *and* 14 - Phylum Platyhelminthes, cestodes (continued): cyclophyllidean tapeworms.
 8 Catch-up and review.
 13 Laboratory exam II: Platyhelminthes
 15 LAB 15 - Phylum Acanthocephala.
 20 LAB 16 - Phylum Nematoda: rhabditid and strongylid nematodes.
 22 Thanksgiving - Holiday!
 27 LAB 17 - Phylum Nematoda (continued): trichostrongylid and ascarid nematodes.
 29 LAB 18 - Phylum Nematoda (continued): ascarid nematodes (continued).

DEC. 4 LAB 19 Phylum Nematoda (continued): spiurid and trichinellid nematodes.
 6 LAB 20 - Phylum Arthropoda: survey of medically important arthropods.
 11 Catch-up and review.
 13 Laboratory exam III: Acanthocephala, Nematoda, Arthropoda.